

## A ROUND-OFF ALGORITHM WITHOUT BIAS FOR 2'S COMPLEMENT DATA

## ABSTRACT OF THE DISCLOSURE

5           A round off mechanism maintains a mean value of the operand while rounding twos complement binary data. Positive data values are incremented at the first discard bit prior to truncation of the discard bits, as are negative data values having a one within the most significant discard bit and at least one other discard bit. The discard bits are simply truncated for all other negative data values.